

Work Order ID 140953

140953

Page 1

January 26, 2016 11:17:45 AM

Ship ASAP

Item ID: 646.4001 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: AS350 Cable Cutter System
 Start Date: 1/26/2016 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 3/7/2016 Req'd Qty: 1.00 *1* Customer:

Reference:

Approvals: Process Plan: SA Date: 20160126 Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.4000	<u>646.4000</u>								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001								
						DAS 27 9-89			
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
						DAS 6 9-89	DAS 28 9-89		FEB 09 2016
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									
						DAS 27 9-89			

MAR 17 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Work Order ID 140953

140953

Page 2

January 26, 2016 11:17:45 AM

Item ID: 646.4001 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: AS350 Cable Cutter System
 Start Date: 1/26/2016 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 3/7/2016 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.4001								
	Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

DAS
27
9-29
MAR 17 2016

MCS MAR 17 2016

MCS MAR 17 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				

Picklist Print

January 26, 2016 11:17:49 AM

Page 1
19

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP
REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 *646 3301* Upper Cutter Assy DAS 27 9-89		Manufactured	No			110	Each	4.0000	0	1			DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck018				4					
				136497				2					
				140115				2					
646.3001 *646 3001* Lower Cutter Assy DAS 27 9-89		Manufactured	No			110	Each	0.0000	0	1			DAS 6 9-89
646.2910 *646 2910* Deflector DAS 27 9-89		Manufactured	No			110	Each	2.0000	0	1			DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK050				2					
				136136				2					
646.3810 *646 3810* Bracket DAS 27 9-89		Manufactured	No			110	Each	0.0000	0	2			DAS 6 9-89
646.3510 *646 3510* Strut DAS 27 9-89		Manufactured	No			110	Each	0.0000	0	1			DAS 6 9-89
646.3511 *646 3511* Strut DAS 27 9-89		Manufactured	No			110	Each	0.0000	0	1			DAS 6 9-89

Picklist Print

January 26, 2016 11:17:49 AM

Page 2

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

647.0112

Manufactured No

110 Each

55.0000

2 2

DAS

6

9-89

DAS

28

9-89

647 0112

Strut Bracket

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK107

55

M130388

55

647.7703

Manufactured No

110 Each

8.0000

2 2

DAS

6

9-89

DAS

28

9-89

647 7703

Strut Assembly

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK114

8

139295

8

NAS1149F0332P

Purchased No

110 Each

2,571.000

138

NAS1149F0332P

Washer

DAS

27

9-89

Location

Loc Qty

Loc Code

GA

396

m133709

396

ST260a

1500

m134055

1500

ST262

675

m133709

4

m133938

671

FEB 29 2016

DAS

28

9-89

NAS1149F0332P

X2

124555

DAS

27

9-89

DAS
6
9-89

DAS
28
9-89

Picklist Print

January 26, 2016 11:17:49 AM

Page 3

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

110

Each

2,723.000

61

61

DAS

6

9-89

MS21042L3

Nut

Location

Loc Qty

Loc Code

CCK007

2000

m134039

2000

FP001

163

m133790

163

GA

195

m133790

195

ST304

365

m133790

365

DAS
27
9-89

646.3110

Manufactured

No

110

Each

2.0000

1

1

DAS

6

9-89

646 3110

Channel

DAS
27
9-89

Location

Loc Qty

Loc Code

cck020

2

136492

2

110

Each

9.0000

1

1

DAS

6

9-89

646.3710

Manufactured

No

646 3710

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK002

9

127550

9

110

Each

4.0000

1

1

DAS

28

9-89

646.3210

Manufactured

No

646 3210

Support

DAS
27
9-89

Location

Loc Qty

Loc Code

cck020

4

136217

4

MAR 08 2016

DAS

6

9-89

DAS

28

9-89

January 26, 2016 11:17:49 AM

Shop Packet Print

Page 3

Picklist Print

January 26, 2016 11:17:49 AM

Page 4

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3713

Manufactured No

110 Each

12.0000

** 1

1

DAS
6
9-89

DAS
28
9-89

646 3713

Gusset

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

12

138216

12

MS24694-S51

Purchased No

110 Each

231.0000

** 5

5

DAS
6
9-89

DAS
28
9-89

MS24694-S51

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

231

m130928

31

m133990

200

AN3-13A

Purchased No

110 Each

36.0000

** 1

1

AN3-13A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

3

m129682

3

GA

20

m127070

20

ST349

13

m131305

13

FEB 29 2016

DAS
6
9-89

DAS
28
9-89

Picklist Print

January 26, 2016 11:17:49 AM

Page 5

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-4A Purchased No 110 Each 332.0000 10 10 DAS 6 9-89 DAS 28 9-89

AN3-4A

Bolt

DAS
27
9-89

Location	Loc Qty	Loc Code
over003	250	
m133990	250	
ST350	82	
m129682	10	
m133694	72	

CR3213-5-3

Purchased No

CR3213-5-3 x14

Cherry Rivet

DAS
27
9-89

85 x10

Location	Loc Qty	Loc Code
ST319	116	
m130388	16	
m132763	100	

**

132677x10
132769

DAS 6 9-89 DAS 28 9-89

MS20470AD5-5

Purchased No

MS20470AD5-5 5

Rivet

DAS
27
9-89

Location	Loc Qty	Loc Code
ST309	1070	
123425	79	
m134063	991	

**

8

DAS 6 9-89 DAS 28 9-89
FEB 29 2016

646.3711

Manufactured No

6463711

Clip

DAS
27
9-89

Location	Loc Qty	Loc Code
cck105	20	
120626	20	

**

1

DAS 6 9-89 DAS 28 9-89

January 26, 2016 11:17:49 AM

Shop Packet Print

Page 5

Picklist Print

January 26, 2016 11:17:49 AM

Page 6

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3712

Manufactured No

110 Each

10.0000

1

646 3712

Clip

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

10

120630

10

646.3811

Manufactured No

110 Each

6.0000

646 3811

Radius Block

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

6

122938

6

AN3-6A

Purchased No

110 Each

402.0000

2

AN3-6A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

300

M133932

125

M134055

175

ST306

2

M131305

2

ST349

100

M133561

100

MS24694-S55

Purchased No

110 Each

129.0000

MS24694-S55

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST283

129

m132803

46

m133988

83

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

FEB 28 2016

Picklist Print

January 26, 2016 11:17:49 AM

Page 7

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3610

Manufactured No

110 Each

0.0000

1

DAS
6
9-89
DAS
28
9-89

646 3610

Filler

646.3714

Manufactured No

110 Each

2.0000

1

DAS
6
9-89
DAS
28
9-89

646 3714

Gusset

Location

Loc Qty

Loc Code

cck105

2

120632

2

110 Each

960.0000

8

DAS
6
9-89
DAS
28
9-89

MS20470AD5-6

Purchased No

MS20470AD5-6

RIVET

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

70

105433

70

110 Each

0.0000

2

DAS
6
9-89
DAS
28
9-89

646.3812

Manufactured No

646 3812

Gusset Bracket

AN3-3A

Purchased No

AN3-3A

Bolt

Location

Loc Qty

Loc Code

ST350

267

m131624

101

m133833

66

m134034

100

110 Each

267.0000

4

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

FEB 29 2016

Picklist Print

January 26, 2016 11:17:49 AM

Page 8

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3813

Manufactured No

110 Each

5.0000

646 3813

Strut Bracket

**

1
140119

DAS

6

DAS

9-89

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

5

127453

1

138267

4

MS20470AD5-7

Purchased No

110 Each

506.0000

MS20470AD5-7

Rivet

**

3

DAS

DAS

28

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST309

506

123425

506

MS21047-3

Purchased No

110 Each

225.0000

MS21047-3

Nut Plate

**

18

DAS

DAS

28

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST301

225

m133790

25

m133938

100

m134055

100

CCR264SS3-02

Purchased No

110 Each

352.0000

CCR264SS3-02

Rivet, Cherry

**

36

DAS

DAS

28

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

352

M133790

152

M134023

200

January 26, 2016 11:17:49 AM

Shop Packet Print

Page 8

Picklist Print

January 26, 2016 11:17:49 AM

Page 9

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-5A

Purchased

No

110

Each

222.0000

2

2

AN3-5A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

24

m133686

24

ST350

198

m133686

78

m134055

120

**

DAS
28
9-89
FEB 29 2016

646.3715

Manufactured

No

110

Each

17.0000

2

2

646 3715

Strut Doublet

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

17

139892

17

MS27039-1-12

Purchased

No

110

Each

185.0000

6

6

MS27039-1-12

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

100

m133988

100

ST280

85

m133483

85

646.3716

Manufactured

No

110

Each

6.0000

1

1

646 3716

Gauge Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

6

136410

6

**

DAS
28
9-89
FEB 29 2016

FEB 27 2016

January 26, 2016 11:17:49 AM

Shop Packet Print

Page 9

Picklist Print

January 26, 2016 11:17:49 AM

Page 10

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS20426AD5-7

Purchased

No

110

Each

1,057.000

2

DAS
28
9-89

MS20426AD5-7

RIVET

BAS
27
9-89

Location

Loc Qty

Loc Code

ST311

1057

M132767

14

M133922

1043

DAS
6
9-89

MS24694-S54

Purchased

No

110

Each

156.0000

2

DAS
28
9-89

MS24694-S54

SCREW

BAS
27
9-89

Location

Loc Qty

Loc Code

ST284

156

m133134

56

m134063

100

DAS
6
9-89

MS27039-1-21

Purchased

No

110

Each

371.0000

4

DAS
28
9-89

MS27039-1-21

Screw

BAS
27
9-89

Location

Loc Qty

Loc Code

over006

241

m127904

241

ST280

130

m127904

130

DAS
28
9-89

MS27039-1-20

Purchased

No

110

Each

170.0000

2

DAS
28
9-89

MS27039-1-20

Screw

BAS
27
9-89

Location

Loc Qty

Loc Code

ST280

170

124326

170

DAS
6
9-89

January 26, 2016 11:17:50 AM

Shop Packet Print

Page 10

Picklist Print

January 26, 2016 11:17:50 AM

Page 11

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-19

Purchased

No

110

Each

333.0000

22

22

MS27039-1-19

Screw

**

DAS

DAS

6

28

9-89

9-89

Location

Loc Qty

Loc Code

over006

250

m133932

100

m134055

150

ST280

83

m133938

83

FEB 29 2016

646.3717

Manufactured

No

110

Each

1.0000

1

1

DAS

6

9-89

DAS

28

9-89

6463717

Doubler

**

Location

Loc Qty

Loc Code

cck105

1

120633

1

110

Each

11.0000

2

2

DAS

6

9-89

DAS

28

9-89

646.3718

Manufactured

No

110

Each

11.0000

2

2

DAS

6

9-89

DAS

28

9-89

6463718

Custom Washer

**

Location

Loc Qty

Loc Code

cck105

11

136223

11

110

Each

17.0000

2

2

DAS

6

9-89

DAS

28

9-89

646.3719

Manufactured

No

110

Each

17.0000

2

2

DAS

6

9-89

DAS

28

9-89

6463719

Doubler

**

Location

Loc Qty

Loc Code

cck105

17

139893

17

FEB 27 2016

Picklist Print

January 26, 2016 11:17:50 AM

Page 12

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-10

Purchased

No

110

Each

146.0000

2

2

MS27039-1-10

SCREW

**

134116

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

50

m129541

50

ST280

55

m132677

55

AN3-11A

Purchased

No

110

Each

173.0000

10

10

AN3-11A

Bolt

**

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m133992

100

ST349

73

m133561

73

600.0990

Purchased

No

110

Each

23.0000

1

1

6000990

Magnabond 6398 Part A

**

DAS
6
9-89

DAS
28
9-89

15/07/2016

Location

Loc Qty

Loc Code

CA2

12

M133800

12

PKG

11

M133938

11

DAS
27
9-89

MAR 08 2016

Picklist Print

January 26, 2016 11:17:50 AM

Page 13

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

600.0991 Purchased No

110 Each 23.0000 1

600 0991

MAGNOBOND 6398 PART B

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CA2

12

m133800

12

PKG

11

m133938

11

600.1012 Purchased No

110 Each 23.0000 1

600 1012

Sealant PR1425B2 (#654 sem)

DAS

28

9-89

Location

Loc Qty

Loc Code

cck017

22

m133800

6

m133938

8

m133992

8

cck018

1

m131364

1

10/30/2015

600.0129 Purchased No

110 f 493.0000 8

600 0129

VHB TAPE 75935A651

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK095

493

m127920

293

m131311

200

600.1013 Purchased No

110 Each 845.0000 5

600 1013

021200-3M TAPE PRIMER 94 PRIMER 24216

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK095

845

m131145

845

6/15/2016

DAS

27

9-89

January 26, 2016 11:17:50 AM

Shop Packet Print

Page 13

Picklist Print

January 26, 2016 11:17:50 AM

Page 15

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-12A

Purchased

No

110

Each

85.0000

2

AN3-12A

Bolt

**

DAS

6 DAS

9-89 28

9-89

Location

Loc Qty

Loc Code

GA

2

m129682

2

ST349

83

m133064

16

m133234

67

MS27039-1-16

Purchased

No

110

Each

294.0000

24

MS27039-1-16

Screw

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST280

294

m131317

8

mm134023

286

650.9201

Manufactured

No

110

Each

11.0000

2

650.9201

Eyelet Bracket Assembly

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

cck127

11

136606

11

AN44-5A

Purchased

No

110

Each

24.0000

2

AN44-5A

Eyebolt

**

DAS

28

9-89

Location

Loc Qty

Loc Code

ST339

24

m133790

12

m133990

12

January 26, 2016 11:17:50 AM

Shop Packet Print

Page 15

FEB 09 2016

Picklist Print

January 26, 2016 11:17:50 AM

Page 16

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN665-34R

Purchased

No

110

Each

46.0000

2

L

6

DAS

9-89

28

9-89

AN665-34R

Clevis

SJD

Location

Loc Qty

Loc Code

ST330

46

M133523

26

M134029

10

st330

10

2

AN4C7A

Purchased

No

110

Each

104.0000

2

DAS

6

DAS

9-89

28

9-89

AN4C7A

BOLT

Location

Loc Qty

Loc Code

OVER002

20

m133523

20

ST340

14

m133363

14

ST345

70

m133790

20

m133990

50

2

DAS
27
9-89

NAS1149F0432P

Purchased

No

110

Each

1,588.000

4

DAS

6

DAS

28

9-89

9-89

NAS1149F0432P

WASHER

Location

Loc Qty

Loc Code

ST260a

1000

M133990

1000

ST262

463

M133938

463

st268

125

M132677

125

4

DAS
27
9-89

FEB 09 2016

January 26, 2016 11:17:50 AM

Shop Packet Print

Page 16

Picklist Print

January 26, 2016 11:17:50 AM

Page 17

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

3,610.000

2

2

MS21042L4

Locknut

**

DAS

6

9-89

28

9-89

Location

Loc Qty

Loc Code

FP001

41

m133363

41

GA

26

m127813

26

ST007

1500

m134055

1500

ST303

1946

m133769

1946

ST305

97

m130922

97

DAS
27
9-89

AN316C4R

Purchased

No

110

Each

77.0000

2

2

AN316C4R

NUT

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST331

77

m133234

43

m133523

34

DAS
27
9-89

MS21042-3

MS21042L3

Purchased

No

110

Each

18.0000

2

2

MS21042-3

Nut / use MS21042L3

**

DAS

6

9-89

Location

Loc Qty

Loc Code

ST304

18

M129682

18

DAS
27
9-89

FEB 09 2016

DAS

28

9-89

Picklist Print

January 26, 2016 11:17:50 AM

Page 18

Work Order ID: 140953

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140953

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

110

Each

316.0000

2

2

MS27039-08-13

Screw

**

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

316

124326

316

MS21042-08

MS21042L08

Purchased

No

110

Each

33.0000

2

2

MS21042-08

USE MS21042L08

**

2
133922

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

NAS1149FN832P

Purchased

No

110

Each

3,803.000

4

4

NAS1149FN832P

Washer

**

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

2231

M133316

16

M133769

2215

ST262

1572

M133709

1572

MS24693-C278

Purchased

No

110

Each

70.0000

5

5

MS24693-C278

Screw

**

FEB 09 2016

DAS
6
9-89
DAS
28
9-89

DAS
27

Location

Loc Qty

Loc Code

ST287

70

m133998

70

January 26, 2016 11:17:50 AM

Shop Packet Print

Page 18

Picklist Print

January 26, 2016 11:17:50 AM

Page 19

Work Order ID: 140953

140953

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.9410

Manufactured No

110

Each

0.0000

1

646 9410

Shim

Shipped without Shimms

U 16-3-17

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES, DBA DART AEROSPACE. ANY REPRODUCTION BY PART OR WHOLE WITHOUT THE EXPLICIT WRITTEN PERMISSION OF APICAL INDUSTRIES, DBA DART AEROSPACE IS PROHIBITED.

NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- 2 INSTALL F/N 14 WITH F/N 52 & 53.
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMMASTER-CARR P/N 75935A651.
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.
- 5 REUSE FASTENERS FROM F/N 1.
- 6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.
- 8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.
- 9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

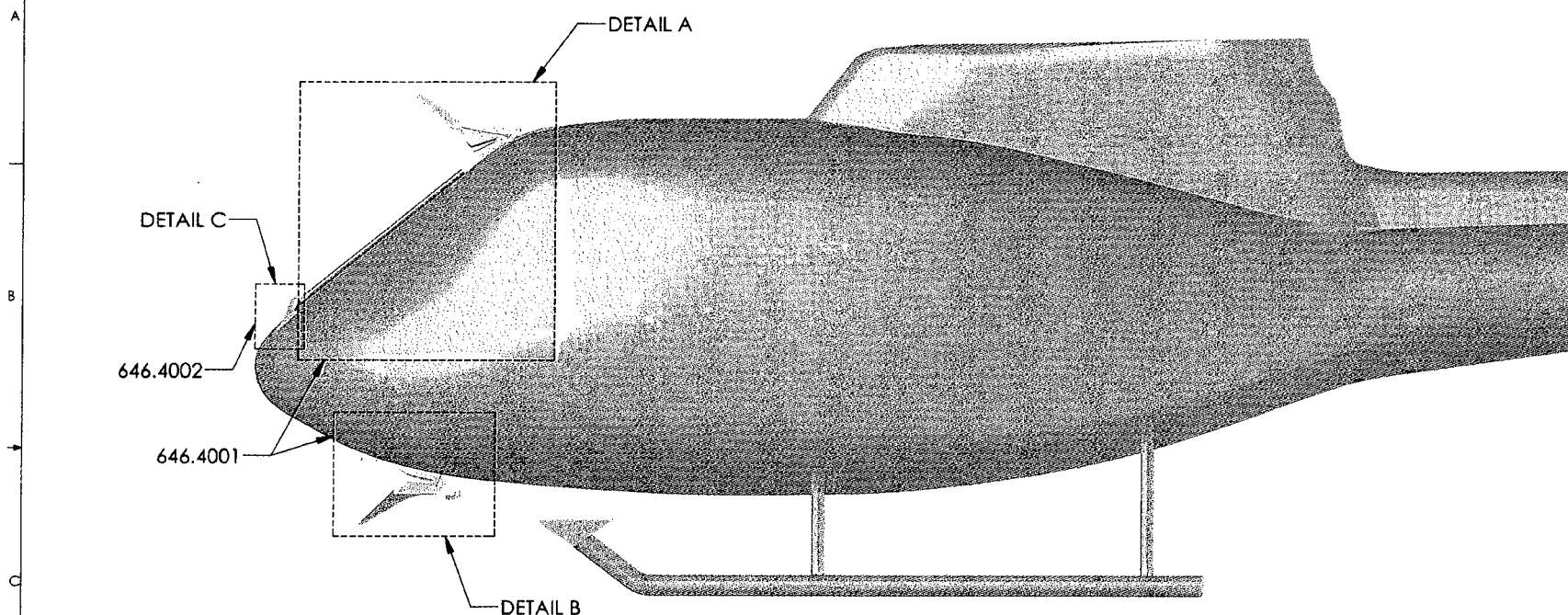
5	5	5	78	601.3875	SCREW	H24MPC27M				
1	1	1	77	646.9410	SHIM					
	4	4	76	601.2764	WASHER	NAS1149F0832P				
	2	2	75	601.2973	LOCKNUT	MS21042-08				
	2	2	74	601.2988	SCREW	MS27039-08-13				
	2	2	73	601.2943	LOCKNUT	MS21042-3				
	2	2	72	601.3128	NUT	AN314C4R				
	2	2	71	601.3209	LOCKNUT	MS21042-4				
	4	4	70	601.2638	WASHER	NAS1149F0432P				
	2	2	69	601.2669	BOLT	AN4C7A				
	2	2	68	601.3119	CLEVIS	AN665-34R				
	2	2	67	601.3121	EYE BOLT	AN44-5A				
	2	2	66	650.9201	EYE BRACKET ASSY					
	REF	REF	65	647.5701	GPS MOUNT KIT					
		2	64	601.3151	WASHER	NAS1149F0363P				
		2	63	601.2911	SCREW	MS24694553				
	24	24	62	601.2637	SCREW	MS27039-1-16				
2	2	2	61	601.2763	BOLT	AN3-12A				
	1	1	60	646.3913	SHIM					
	4	4	59	646.3912	SHIM					
	1	1	58	646.3911	SHIM					
	4	4	57	646.3910	SHIM					
	5	5	56	600.1013	PRIMER					
	8 FT	8 FT	55	600.0129	VHB TAPE					
	1	1	54	600.1012	SEALANT	PR-1425 CLASS B				
	1	1	53	600.0991	MAGNIBOND 6398 PART B					
	1	1	52	600.0990	MAGNIBOND 6398 PART A					
6	10	10	51	601.2826	BOLT	AN3-11A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	MS27039-1-18				
2		2	48	601.1365	SCREW	MS27039-1-10				
2		2	47	646.3719	DOUBLER					
	2	2	46	646.3718	CUSTOM WASHER					
	1	1	45	646.3717	DOUBLER					
	22	2	44	601.1948	SCREW	MS27039-1-19				
	2	2	43	601.1952	SCREW	MS27039-1-20				
		4	42	601.1956	SCREW	MS27039-1-21				
.4006	.4005	.4004	.4003	.4002	.4001	FIND #	PART #	DESCRIPTION	MATL	SPEC

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECH 02/19, 02/21, 02/19 & 02/15	02/06/2019	P. BRAVO
B	INCORPORATED ECH 02/04, 02/19 & 04/21	11/04/2014	P. BRAVO
C	INCORPORATED ECH 05/08	07/07/2015	P. BRAVO

		2	2	41	601.2829	SCREW	MS24694554
		2	2	40	601.2831	RIVET	MS20426AD5-7
		1	1	39	646.3716	GAUGE BRACKET	
		6	6	38	601.1953	SCREW	MS27039-1-12
		2	2	37	646.3715	STRUT DOUBLER	
	2	2	2	36	601.2824	BOLT	AN3-5A
12	36		36	35	601.2277	RIVET	CC624555-948
6	18		18	34	600.0795	NUTPLATE	MS21047-3
3	3		3	33	601.2565	RIVET	MS20470AD5-7
1	1		1	32	646.3813	STRUT BRACKET	
4	4		4	31	601.2822	BOLT	AN3-3A
2	2		2	30	646.3812	GUSSET BRACKET	
8	8		8	29	601.2564	RIVET	MS20470AD5-6
1	1		1	28	646.3714	GUSSET	
	1	1	1	27	646.3610	FILLER	
	3	3	3	26	601.2830	SCREW	MS24694555
	2	2	2	25	601.2825	BOLT	AN3-6A
	1	1	1	24	646.3811	RADIUS BLOCK	
	1	1	1	23	646.3712	CLIP	
	1	1	1	22	646.3711	CLIP	
8	8		8	21	601.2832	RIVET	MS20470AD5-5
14	14		14	20	601.2020	RIVET	CR3013-5-3
4	6	4	6	10	601.2823	BOLT	AN3-4A
	1	1	1	18	601.2827	BOLT	AN3-13A
	5	5	5	17	601.2912	SCREW	MS24694551
1	1		1	16	646.3713	GUSSET	
1	1		1	15	646.3210	SUPPORT	
	1	1	1	14	646.3710	DOUBLER	
	1	1	1	13	646.3110	CHANNEL	
14	10	8	53	6	601.1624	LOCKNUT	MS2104213
16	32	18	120	16	601.1607	WASHER	NAS1149F0332P
			1	10	646.3410	LH WIPER DEFLECTOR	
			1	9	646.3411	RH WIPER DEFLECTOR	
		2	2	8	647.7703	STRUT ASSY	
		2	2	7	647.0112	STRUT BRACKET	
	1	1	1	6	646.3511	STRUT	
	1	1	1	5	646.3510	STRUT	
2	2		2	4	646.3810	BRACKET	
		1	1	3	646.2910	DEFLECTOR	
	1	1	1	2	646.3001	LOWER CUTTER ASSY	
		1	1	1	646.3301	UPPER CUTTER ASSY	
X					646.4006	LOWER CUTTER FIXED PROVISIONS	
	X				646.4005	LOWER CUTTER REMOVABLE PROVISIONS	
		X			646.4004	FIXED PROVISIONS KIT	
			X		646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS	
				X	646.4002	AS350 WIPER DEFLECTOR KIT	
				X	646.4001	AS350 CABLE CUTTERS KIT	

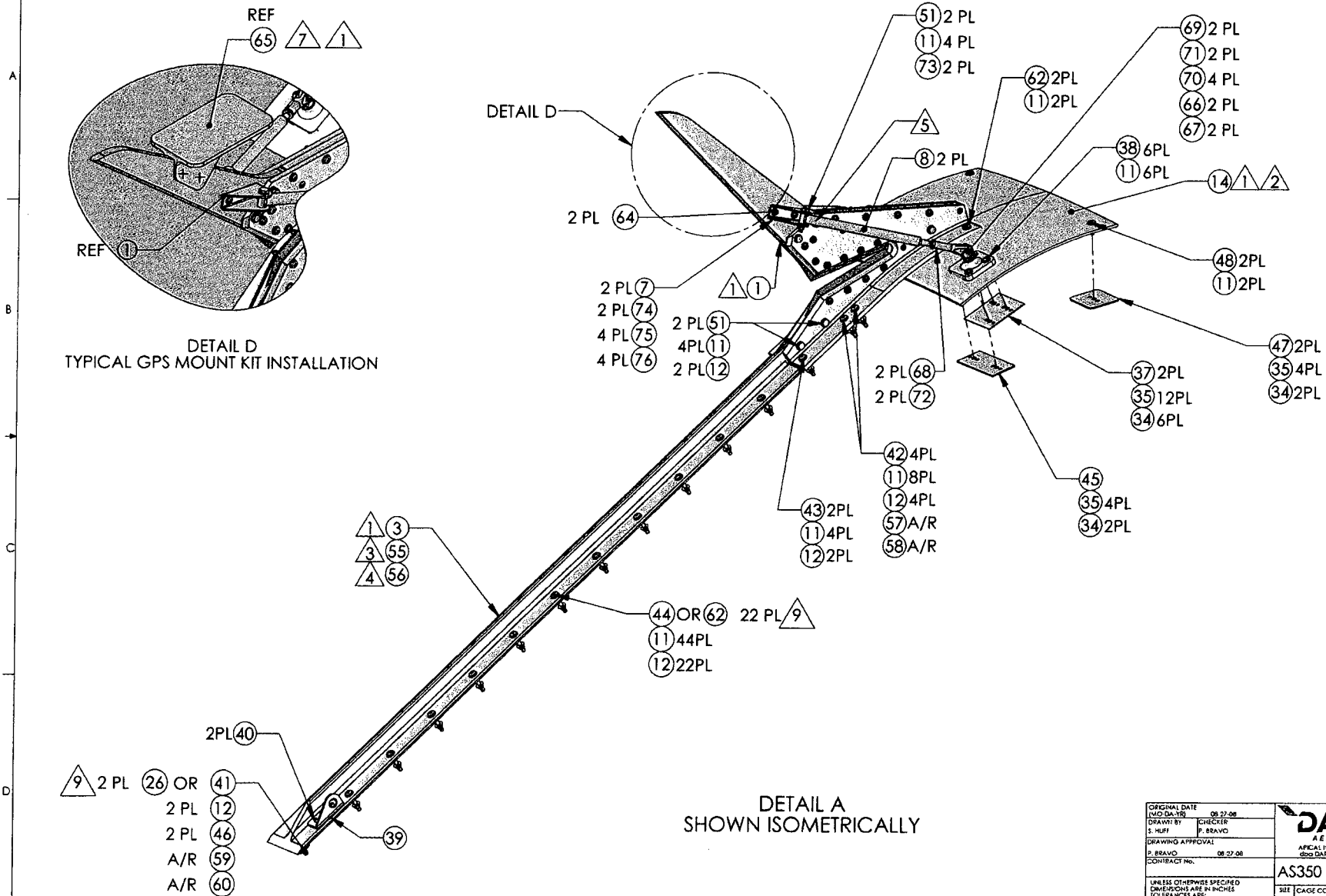
QTY	DESCRIPTION	PARTS LIST
NEXT ASSY (S)	ORIGINAL DATE (DD-MY-YY) 08-27-06 DRAWN BY: S. HUFF CHECKED BY: P. BRAVO DRAWING APPROVAL: P. BRAVO DATE: 08-27-06 CONTRACT NO.	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. DBA DART AEROSPACE AS350 CABLE CUTTERS KIT SHEET: 8 OF 8 CAGE CODE: 07M26 DWG. NO.: 646.4000 SCALE: NONE SHEET 1 OF 5

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES
DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT
WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



ORIGINAL DATE 10-20-10		09-27-08		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300	
DRAWN BY S. HOFF		CHECKER P. BRAND		DART AEROSPACE APICAL INDUSTRIES INC. DBA DART AEROSPACE	
DRAWING APPROVAL 09-27-08		P. BRAND			
CONTRACT NO.		AS350 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± 0.10 3 PLACE DECIMALS ± 0.005 ANGLES ± 5°		SIZE B	CAGE CODE 07M126	DWG. NO. 646.4000	REV. C
SCALE NONE		SHEET 2 OF 5			

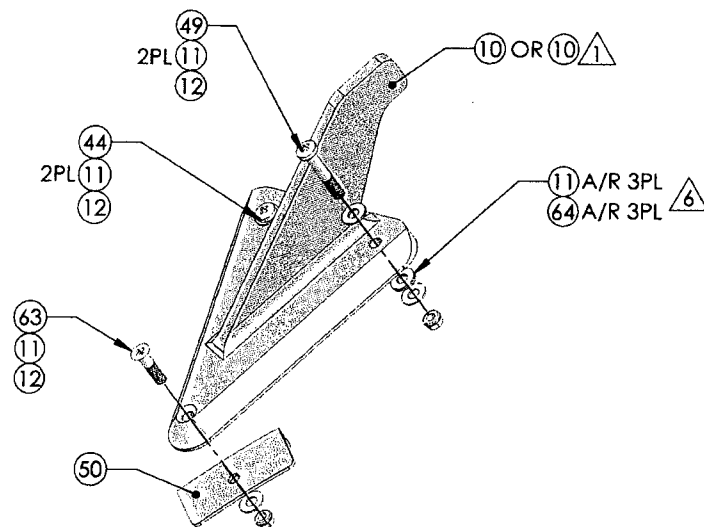
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



ORIGINAL DATE (MO-DA-YR)		08-27-08	
DRAWN BY		S. HUFF	
CHECKED BY		P. BRAVO	
DRAWING APPROVAL		P. BRAVO	
CONTRACT NO.		08-27-08	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
DART AEROSPACE ANALYTICAL INDUSTRIES INC. 800 DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300	
AS350 CABLE CUTTERS KIT			
SHEET	CAGE CODE	DWG. NO.	REV.
B	07M26	646.4000	C
SCALE NONE		SHEET 3 OF 5	

ORIGINAL DATE INVOICE# 3751 05-27-08	 DART AEROSPACE AIRCRAFT INDUSTRIES, INC. 3030 ENTERPRISE CIRCLE SUITE A VISTA, CA 92081 (760)-724-5300
DRAWING BY S. HUBB P. BRAVO	
DRAWING APPROVAL P. BRAVO	
DATE 05-27-08 CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 7/16 DECIMALS DIMENSIONS 3/16 DECIMALS 3.00 ANGLES & S*	
AS350 CABLE CUTTERS KIT	
SITE # CAGE CODE DWG. NO. SCALE NONE	07WZ6 646.4000 SHEET 4 OF 5

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES
DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT
WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE (MO-DA-YR) 08-27-08		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 APICAL INDUSTRIES, INC. (760)-724-5300 DBA DART AEROSPACE	
DRAWN BY S. HUFF	P. BRAVO		
DRAWING APPROVAL: P. BRAVO 08-22-08		AS350 CABLE CUTTERS KIT	
CONTRACT No.		KIT B CAGE CODE 07M26 DWG. NO. 646.4000 REV. C	SCALE NONE SHEET 5 OF 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACI DECIMALS ±0.010 3 PLACI DECIMALS ±0.005 ANGLES ± 1°			

 APICAL INDUSTRIES, INC. dba DART AEROSPACE	ENGINEERING CHANGE NOTICE NO. 05304				SHEET 1 OF 1	
	DWG NO. 646.4000		REV: C	PREPARED BY J. BECKER	DATE: 02/04/16	
	EFFECT ON DWG ☐ INC. ☒ UNINC.					
DWG TITLE: AS350 CABLE CUTTERS KIT						
APPROVED BY:		ENGR. 	MFG 	QC 	EFF. NEXT ORDER	
TRANSACTION CODES (TC): A-ADD R-REVISE C-CREATE D-DELETE		REASON: REVISED F/N 12.				ECR: N/A ACTION ITEM: 1. N/A
REFERENCE ONLY						
<u>SHEET 1, BOM IS:</u>						
12	R	601.1624	8	16	LOCKNUT	MS21042L3
F/N	TC	PART NUMBER	4006	4005	DESCRIPTION	MATERIAL
			QTY			SPECIFICATION
DOCUMENTS EFFECTED:					CHANGE CATEGORY	DER REVIEW REQUIRED
☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM					☐ MAJOR ☒ MINOR	☐ YES ☒ NO

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES
 (U.S. DART AIRSPACE). ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPRESS
 WRITTEN PERMISSION OF APICAL INDUSTRIES OR DART AIRSPACE IS PROHIBITED.

NOTES:

1. AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2. INSTALL F/N 14 WITH F/N 52 & 53.

3. 3/4 VHB ADHESIVE TAPE .025" THICK X .50" WIDE
 VENDOR: MCMASTER-CARR P/N 75935A651.

4. 3M TAPE PRIMER 94. APPLY TO BOTH SURFACES A/R BEFORE TAPE.
 VENDOR: R.S. HUGHES P/N 021700-24216.

5. REUSE FASTENERS FROM F/N 1.

6. USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7. AT CUSTOMER'S OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8. INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE
 SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78
 SCREW IN PLACE OF F/N 17 SCREW.

9. NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY
 REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 &
 F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

REFERENCE ONLY

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	AS22039-1-10
1	1	1	77	646.9410	SHIM	AS22039-1-10
	4	4	76	601.2764	WASHER	AS22039-1-10
	2	2	75	601.2973	LOCKNUT	AS22039-1-10
	2	2	74	601.2988	SCREW	AS22039-1-10
	2	2	73	601.2943	LOCKNUT	AS22039-1-10
	2	2	72	601.3128	NUT	AS22039-1-10
	2	2	71	601.3209	LOCKNUT	AS22039-1-10
	4	4	70	601.2638	WASHER	AS22039-1-10
	2	2	69	601.2669	BOLT	AS22039-1-10
	2	2	68	601.3119	CLEVIS	AS22039-1-10
	2	2	67	601.3121	EYE BOLT	AS22039-1-10
	2	2	66	650.9201	EYE BRACKET ASSY	AS22039-1-10
REF	REF	REF	65	647.5701	GPS MOUNT KIT	AS22039-1-10
		2	64	601.3151	WASHER	AS22039-1-10
		2	63	601.2911	SCREW	AS22039-1-10
	24	24	62	601.2637	SCREW	AS22039-1-10
2	2	2	61	601.2763	BOLT	AS22039-1-10
	1	1	60	646.3913	SHIM	AS22039-1-10
	4	4	59	646.3912	SHIM	AS22039-1-10
	1	1	58	646.3911	SHIM	AS22039-1-10
	4	4	57	646.3910	SHIM	AS22039-1-10
	5	5	56	600.1013	PRIMER	AS22039-1-10
8 FT	8 FT	8 FT	55	600.0129	VHB TAPE	AS22039-1-10
	1	1	54	600.1012	SEALANT	AS22039-1-10
	1	1	53	600.0991	MAGNABOND 6398 PART B	AS22039-1-10
	1	1	52	600.0990	MAGNABOND 6398 PART A	AS22039-1-10
6	10	10	51	601.2826	BOLT	AS22039-1-10
		2	50	646.3814	WIPER BRACKET	AS22039-1-10
		2	49	601.2910	SCREW	AS22039-1-10
	2	2	48	601.1365	SCREW	AS22039-1-10
	2	2	47	646.3719	DOUBLER	AS22039-1-10
	2	2	46	646.3718	CUSTOM WASHER	AS22039-1-10
	1	1	45	646.3717	DOUBLER	AS22039-1-10
	22	2	44	601.1948	SCREW	AS22039-1-10
	2	2	43	601.1952	SCREW	AS22039-1-10
	4	4	42	601.1956	SCREW	AS22039-1-10
5053	5053	5053	4009	4009	FIN #	PART #
						DESCRIPTION
						MATL
						SPEC.

REV	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 05304 (P. 1) & 05304	03/08/2010	P. BRAVO
B	INCORPORATED ECN 05304 (P. 1) & 05304	11/04/2014	P. BRAVO
C	INCORPORATED ECN 05304 (P. 1) & 05304	09/09/2015	P. BRAVO

		2		41	601.2829	SCREW		MSD-6469-55-1		
		2		40	601.2831	RIVET		MSD-646125-7		
		1		39	646.3716	GAUGE BRACKET				
		6		38	601.1853	SCREW		MSD-6469-11-2		
	2	2		37	646.3715	STRUT DOUBLER				
		2		36	601.2824	BOLT		AS3-5A		
12	36			35	601.2277	RIVET		CCS-6463-3-7		
6	18			34	600.0795	NUT PLATE		MSD-6469-3		
3				33	601.2565	RIVET		MSD-646125-7		
1	1			32	646.3813	STRUT BRACKET				
4	4			31	601.2822	BOLT		AS3-3A		
2	2			30	646.3812	GUSSET BRACKET				
6	8			29	601.2564	RIVET		MSD-646125-7		
1	1			28	646.3714	GUSSET				
	1	1		27	646.3630	FILLER				
	3	3		26	601.2830	SCREW		MSD-6469-55-1		
	2	2		25	601.2825	BOLT		AS3-6A		
	1	1		24	646.3811	RADIUS BLOCK				
	1	1		23	646.3712	CLIP				
	1	1		22	646.3711	CLIP				
8	8			21	601.2832	RIVET		MSD-646125-7		
14	14			20	601.2020	RIVET		CRS-12-5-3		
4	6	4		19	601.2523	BOLT		AS3-4A		
	1	1		18	601.2827	BOLT		AS3-10A		
	5	5		17	601.2912	SCREW		MSD-6469-55-1		
1	1			16	646.3713	GUSSET				
1	1			15	646.3710	SUPPORT				
	1			14	646.3710	DOUBLER				
	1			13	646.3710	CHANNEL				
14	10	8	53	6	601.1624	LOCKNUT		MSD-646125-7		
16	32	16	120	16	601.1607	WASHER		MSD-646125-7		
				10	646.3410	LH WIPER DEFLECTOR				
				9	646.3411	RH WIPER DEFLECTOR				
		2		8	647.7703	STIFF ASSY				
		2		7	647.0112	STRUT BRACKET				
	1	1		6	646.3511	STRUT				
	1	1		5	646.3510	STRUT				
2	2			4	646.3810	BRACKET				
		1		3	646.2910	DEFLECTOR				
	1	1		2	646.3001	LOWER CUTTER ASSY				
		1		1	646.3301	UPPER CUTTER ASSY				
X					646.4006	LOWER CUTTER FIXED PROVISIONS				
	X				646.4005	LOWER CUTTER REMOVABLE PROVISIONS				
		X			646.4004	FIXED PROVISIONS KIT				
			X		646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS				
			X		646.4002	AS350 WIPER DEFLECTOR KIT				
				X	646.4001	AS350 CABLE CUTTERS KIT				
4006	4005	4004	4003	4002	4001	FIN #	PART #	DESCRIPTION	MATL	SPEC.

QTY

NEXT ASSY (S)

ORIGINAL DATE: 08/20/08
 DRAWN BY: P. BRAVO
 CHECKED BY: P. BRAVO
 DRAWING APPROVAL: P. BRAVO
 DATE: 08/20/08

APICAL INDUSTRIES INC. 3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760) 724-5300

AS350 CABLE CUTTERS KIT

SCALE: NONE SHEET 1 OF 5